

ANANDI BAGCHI

Associate Professor (W.B.E.S.)

Physiology

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Specialization: Sports and Exercise Physiology

Major Interest Areas: Comfort Zone Ergonomics, Occupational Stress Assessment and Abatement, Work Physiology

Academic Credentials:

-) Assistant Professor (August 2005-August 2017)
-) Associate Professor (August 2017 – Till Date)
-) Ph.D. (2000 - 2004): University College of Science and Technology, University of Calcutta, India
-) M.Sc. (1997 - 1999): Calcutta University, Kolkata, India
-) B.Sc. (1994 – 1997): Presidency College, Kolkata, India

Teaching Experience

-) Hooghly Mohsin College – 18.08.2005 – 22.09.2013
-) Jhargram Raj College – 23.09.2013 – 26.07.2016
-) Jhargram Raj College (Girls' Wing) – 27.07.2016 – 06.01.2020
-) P. R. Thakur Government College - 07.01.2020 – Till Date

Courses taken:

-) Biochemistry, Biophysics
-) Physiological Systems, Cell and Molecular Biology, Instrumentation, Microbiology
-) Sports and Exercise Physiology, Nutrition, Genetics, Embryology, Comparative Physiology

Research Interest:

-) Occupational Risk Assessment of Women in the Unorganised Work Sector
-) Design of ergonomically suitable work-station
-) Nutritional supplementation and their role in improving performance of women

Professional responsibilities:

-) Serving as **Registrar (additional charge) of Harichand Guruchand University**, from **08.12.2023 till date**
-) Served as **Organising Secretary** of the Two-day State level Annual Seminar cum Workshop at Meghnad Saha Auditorium, University of Calcutta, organized jointly by Association of Biomedical Sciences, Indian Association of Biomedical Sciences-Eastern Regional Chapter and Vidyasagar College, Kolkata and sponsored by Department of Higher Education, Government of West Bengal, held on **28th and 29th September, 2018**

- J Served as **Convenor and Organising Secretary** of the National Science Day Celebration and One-day Seminar on “Contemporary Trends in health and disease in tribal area of West Bengal” jointly organized by Jhargram Raj College (Girls’ Wing) and Jhargram Raj College on **28th February, 2018**
- J Served as a **course teacher** of Animal Physiology Practical in a Workshop on "Environment and Biology", Organised by Green Group, Hooghly Mohsin College, held between **09 - 12th July, 2013**

Research Experience:

- J 2000 - 2004: PhD. at University College of Science and Technology, University of Calcutta, India, Supervisor: Late Prof. Pratima Chatterjee, Major Topic of Research: Impact of antioxidants on lipid profile and indexes of oxidative stress on exercising females

List of Publications:

1. Banerjee S, Das Kumar S, **Bagchi A** and Ghosh S. Mitigation of Physiological Risk Factors of Type 2 Diabetes Patients of Burdwan & Hooghly West Bengal: A Comprehensive Interventional Study. **International Journal of All Research Education and Scientific Methods (IJARESM)**, 12(2): 2065-2071, **2024 (ISSN: 2455-6211) Impact Factor 8.536**
2. Sana S, Das S, **Bagchi A** and Ghosh S. A Prevalance Study of Cardiac Risk Assessment of Female Construction Workers of Bengal, India: A Meta-Analysis. **International Journal of Life Sciences (IJLS)**, 11(4): 83-89, **2022 (ISSN: 2277-193x) SJIF Impact Factor: 6.431**
3. Das S, Sana S. **Bagchi A** and Ghosh S. Vibration Exposure Assessment of Road Construction Workers of Kolkata: An Ergo-Physiological Analysis. **International Journal of Research and Analytical Reviews (IJRAR)**, 9(3): 100 – 109, **2022 (ISSN(P): 2349-5138, ISSN(E): 2348-1269) Impact Factor: 5.75**
4. Lodh C, Das S, **Bagchi A** and Ghosh S. Importance of schedule exercise programme for night shift workers of Kolkata: A validated operational attempt. **International Journal of Scientific Development and Research (IJS DR)**, 5(8): 377, **2020 ISSN: 2455-2631 Impact Factor 5.47**
5. Ghosh S, Das S, Das S and **Bagchi A**. Effect of coffee on stress management amongst manual material handling workers of West Bengal: An interventional attempt. **International Journal of Research and Analytical Reviews (IJRAR)**, 7(3): 205, **2020 E-ISSN 2348-1269, P-ISSN 2349-5138 Impact Factor 7.17**
6. Ghosh S, Roy P, Das S and **Bagchi A**. Prevalence of Vibration Induced Occupational Health Evaluation Amongst Welders of Kolkata, West Bengal. **Journal of Emerging Technologies and Innovative Research (JETIR)**, 7(7): 311, **2020 ISSN: 2349-5162 Impact Factor 7.95**
7. **Bagchi A**, Das S, Gangopadhyay S and Ghosh S. Alleviation of Occupational Risk Factors of the Underground Coal mine workers of Raniganj, West Bengal: An Interventional Study. **International Journal of Medicine and Pharmaceutical Sciences (IJMPS)**, 10(3): 1-8, **2020 (ISSN(P): 2250-0049, ISSN(E): 2321-0095) Impact Factor (JCC – 2019): 7.83**
8. Ghosh S, Lodh C, Das S and **Bagchi A**. Assessment of Hidden Risk Factors amongst Night Shift Security Personnel in Kolkata, West Bengal: A Comparative Study. **International Journal of Research and Analytical Reviews (IJRAR)**, 7(2): 313 - 320, **2020 (ISSN(P): 2349-5138, ISSN(E): 2348-1269) Impact Factor: 5.75**
9. Roy P, Das S, **Bagchi A** and Ghosh S. Chronic effect of welding fumes on respiratory system of welders, Kolkata: A comparative study. **European Journal of Pharmaceutical and Medical Research**, 6(10): 539-544, **2019 (ISSN: 2394-3211) Impact Factor: 6.222**

10. Das S, Das S, **Bagchi A** and Ghosh S. Occupational risk assessment and abatement of hazards amongst load bearers of Kolkata. **Int. J. Adv. Res.**, 7(9): 601-606, 2019 (ISSN: 2320-5407) **Impact Factor: 7.08**
11. Ghosh S, Majumder T, Mondal GK, **Bagchi A**, Das SS and Gangopadhyay S. Perceiving propensity for aggression analyzing facial anthropometry, FWHR and lung function parameters amongst children of athletic and nonathletic types in West Bengal. **World Journal of Pharmaceutical Research**, 7(12): 778-792, 2018 (ISSN: 2277-7105) **Impact Factor: 8.074**
12. Mondal GK, Das S, **Bagchi A**, Das SS and Ghosh S. Mitigation of hidden cardiovascular risk factors amongst pre-adolescent male athletes of Kolkata, West Bengal: A novel combination of yoga and nutraceuticals. . **European Journal of Pharmaceutical and Medical Research**, 5(5): 487-495, 2018 (ISSN: 2394-3211) **Impact Factor: 4.897**

13. Ghosh S, Majumder T, Bagchi A, and Gangopadhyay S. Aggression Traits amongst adult male labourers of organized sector vs unorganized sector in West Bengal. **European Journal of Biomedical and Pharmaceutical Sciences**, 5(4): 661-666, 2018 (ISSN: 2349-8878) Impact Factor: 4.918
14. Majumdar T, Bagchi A, Gangopadhyay S and Ghosh S. Finger Digit Ratio: Predicting Aggression amongst School Children of Biphasic Growth in Eastern Part of West Bengal. **Int. Organization of Scientific Research Journal of Pharmacy and Biological Sciences (IOSR-JPBS)**, 12(4): 17-22, 2017 (e-ISSN: 2278-3008, p-ISSN: 2319-7676) Impact Factor: 3.83
15. Das S, Bagchi A, Gangopadhyay S and Ghosh S. Effect of Natural Resources on Reproductive Health and Oxidative Stress of Female Construction Workers, West Bengal, India. **Int. J. Advanced Research**, 5(7): 661-667, 2017 (ISSN 2320-5407) Impact Factor: 7.08
16. Das S, Bagchi A, Gangopadhyay S and Ghosh S. Effect of Pesticides on Reproductive Health and an Ergonomic Evaluation amongst Female Agricultural Workers of West Bengal, India. **Int. J. of Innovative Research in Sci. Engineering and Technology**, 6(4): 6853-6862, 2017 (ISSN (online) 2319-8753) Impact Factor: 7.089
17. Das S, Bagchi A, Gangopadhyay S and Ghosh S. Work Related Health Disorders of Female Agricultural Workers Correlated with Sowing and Ploughing in Bengal: An Ergonomic Profile. **Int. J. of Current Research And Academic Review**, 4(5): 155-166, 2016 (ISSN 2347-3215)
18. Das S, Bagchi A, Gangopadhyay S and Ghosh S. Comparison of Lung Related Discomforts among Female Mud Molders and Brick Carriers of Brick Manufacturing Unit of West Bengal, India. **Int. J. of Health Sciences and Research**, 6(8): 135-141, 2016 (ISSN 2249-9571)
19. Ghosh S, Acharyya M, Majumder T and Bagchi A. Metabolic signatures of oxidative stress and their relationship with erythrocyte membrane surface roughness among workers of Manual Materials Handling (MMH). **North Am. J. Med. Sc.**, 7(12): 558-566, 2015 (DOI: 10.4103/1947-2714.172846, ISSN: 1947-2714) Impact Factor 1.20.
20. Bagchi A, Das S, Mukherjee A and Ghosh S. Environmental assault, acid rain and occupational health of Indian farmers: Issues and Challenges. **Pro. Int. Ergo. Conf. HWWE**, 634-638, 2014 (ISBN (13): 978-93-392-1970-3).
21. Ghosh S, Sen D, Syamal AK, Nath S and Bagchi A. Silent Agony of Miners in West Bengal: Search for Biomarkers of Newer Kinds. **Int. J. Clinical and Diagnostic Research**, VII, 2(5): 2014 (ISSN : 2395-3403).
22. Bagchi A, Das S, Mukherjee A and Ghosh S. Revisiting role of women in Indian Agriculture: An ergonomic profile. **Pro. Int. Ergo. Conf.**, 380-384, 2014 (ISBN (13): 978-93-392-1970-3).
23. Bagchi A, Das S, Karmakar S and Ghosh S. Occupational & Ergonomic Health Analyses of Female Construction Workers of West Bengal, India. **Int. J. Ana Pharm. Biomed. Sc.**, 3(2): 55-60, 2014 (ISSN: 2278-0246).
24. Das D, Das S, Bagchi A, Bhattacharya J, Maiti S, Mukherjee S and Ghosh S. Clinical and Electrophysiological Study of peripheral nervous system in the geriatric age group in eastern part of India. **Biomedicine**, 33(2): 251-255, 2013 (ISSN: 0970-2067).
25. Ghosh S, Bagchi A, Sen D, Chatterjee A and Ghosh A. Ergonomic assessment of ocular stress profile amongst watchmakers/repairers of Kolkata and its possible preventive measures. **Biomedicine**, 31(2): 215-224, 2011 (ISSN: 0970-2067).
26. Ghosh S, Bagchi A, Sen D and Bandyopadhyay P. Ergonomics: A bridge between fundamentals and applied research. **Indian J. Occup. Environ. Med.**, 15 (1): 14-17, 2011 (ISSN: 0973-2284).
27. Ghosh S, Bandyopadhyay P, Bagchi A, Roy B and Chakraborty S. The silent agony of open cast miners – a profile of risk assessment. **Biomedicine**, 30(3): 272-275, 2010 (ISSN: 0970-2067).
28. Ghosh S, Chakraborty S, Roy B, Banerjee P and Bagchi A. Assessment of health risks associated with fluoride con-

taminated ground water in Birbhum district of West Bengal, India. **Journal of Environmental Protection Science**, 4: 13-21, **2010 (ISSN Online: 2152-2219) Impact Factor: 1.07, H5 Index 19.**

29. Ghosh S, Acharyya M and **Bagchi A.** G-6-PD and surface nanoscopy: A novel approach in ergonomic stress management of female labours in Bengal suburbs performing Manual Material Handling. **Journal of Human Ergology**, 38(2) 51-65, **2009 (ISSN: 03008134) Impact Factor: 0.27, H Index 15.**
30. **Bagchi A.** Heat Stress and Occupational Health – The Mission Unachieved. **Academic Journal of Hooghly Mohsin College**, 3(2): 25-31, **2008 (ISSN: 0973-6212).**
31. Ghosh S, Chatterjee P and **Bagchi A.** Antioxidant and G-6-PD level: A Differential Means of Stress Management in Professional Female Load Bearers in Bengal Suburbs. **Ergonomics SA**, 20(1): 29-39, **2008 (ISSN: 1010-2728) Impact Factor 1.85.**
32. **Bagchi A.** Nitric Oxide in Molecular Physiology: New Hope and Newer Horizon. **Academic Journal of Hooghly Mohsin College**, 2(2): 05-09, **2007 (ISSN: 0973-6212).**
33. **Bagchi A,** Bera C and Chatterjee P. Impact of Vitamin E on Antioxidant Defense Systems in Exercising Females – New frontier in Oxidative Stress Management. **Ind. J. Physiol. & Allied Sci.**, 58(4): 119-125, **2004 (ISSN: 0367-8350).**
34. **Bagchi A,** Ghosh S, Chatterjee S and Chatterjee P. Antioxidant and G-6-PD: A Key Combination in Oxidative Stress Management in Trained Females. **Indian Biologist**, 33(2): 69-74, **2001 (ISSN: 0302-7554).**

Training/Workshop Attended:

- J A training cum workshop on UNIX/C organised by the University Computer Centre, University of Calcutta, during **January 10, 1999 to March 31, 1999.**
- J A Diploma course on Multimedia named “Media Magic” in Zed CA, a national level computer training company from Zee group, from **September 2004 to November 2004.**
- J UGC Sponsored State Level Workshop on Application of Statistics in Biology & Clinical Research, organised by the Department of Physiology, Hooghly Mohsin College, Chinsurah, Hooghly, **March 27-28, 2012**
- J One day workshop on Optical Condensed Matter Science (Interdisciplinary), organized by IIT, Kharagpur Optical Society of America Student Chapter and Department of Physics, Jhargram Raj College, **December 19, 2013.**
- J One day awareness programme on “Recent Archaeological activities in and around Paschim Medinipur”, jointly organized by the Directorate of Archaeology and Museums and Jhargram Raj College, on **15th November, 2016.**
- J One day workshop on “Current Advances in Integrated Biomedicine for Health”, organized by Shobhit University, Meerut on **December 3, 2016.**
- J One day workshop on “Accreditation of HEI by the NAAC” organized by the Vidyasagar University and sponsored by National assessment and Accreditation Council (NAAC), on **September 17, 2019** at Vidyasagar University.
- J Dr. Sarada Subramaniam one-day Pre-Conference Workshop on “Neurophysiological recordings and their clinical applications” in the 40th Annual Conference of IABMS on “Biomedical research and innovations to enhance quality of life” held at Chettinad Hospital & Research Institute, Kelambakkam on **October 31, 2019.**

Dissertation Works Supervised at Post-Graduate Level:

<u>Name of Dissertation Work</u>	<u>Name of Student</u>	<u>Year</u>
1. Search for Hidden Risk Factors amongst the Security Personnel with Night Shift Duty in Kolkata	Sourav Das	2013
2. The Silent Agony of Female Brickfield Labourers: Cumulative Interactions between Environmental Stressor, Social Stressor and Physiological Stressor.	Payal Das	2012
3. Occupational risk assessment of coal miners: A meta analysis	Bandhu Souvik Roy	2011
4. Cardiovascular risk factor assessment amongst night shift workers: Some hidden occupational hazard abatement	Suman Mistri	2010
5. 2D:4D ratio: A novel ergonomic anthropometry predicting aggression amongst school children in Kolkata	Bibek Pal	2010
6. Whole body vibration in bus drivers: An occupational hazard assessment and its possible remedial measures.	Abhijit Dan	2009
7. The silent agony of open cast mines: A profile of risk assessment.	Debasish Mandal	2009
8. Hydro geological assessment of ground water potability in Nasipur, Bhabanandapur region of Birbhum district and its possible physiological impact.	Indra Narayan Ganguly	2008
9. Physiological risk assessment of fluoride toxicity of the inhabitants of Nasipur, Noapara region in Birbhum District, West Bengal.	Abhijit Mukherjee	2008
10. Body composition, blood glucose and cardio-respiratory status of brick field workers – A physiological view.	Roan Mukherjee	2007
11. Study of nutritional status of brick field worker and its correlation with occupational stress.	Brinda Das	2007
12. Study of iron-haem correlation and spinal Radiography in the occupationally damaged professional load-bearers in brick field of Kalyani sub-region.	Sk. Masud Rahaman	2007

List of Honours/Awards:

-) **Research Excellence Award, 2023** awarded by InSc Institute of Scholars (ISO 9001:2015 certified & Registered under Ministry of MSME & Corporate Affairs, Govt. of India), for the paper entitled “Alleviation of Occupational Risk Factors of the Underground Coal mine workers of Raniganj, West Bengal: An Interventional Study”
-) **Fellowship (FABMS) title** conferred upon by the Executive Committee of Indian Association of Biomedical Scientists, Chennai, in recognition of significant contributions for the advancement of Biomedical Sciences, on 11th November, 2011.
-) **Dr. E. Balakrishnan Memorial Award, 2010** awarded by Indian Association of Biomedical Scientists (IABMS), Chennai during Annual conference of IABMS, for the paper entitled “Ergonomic assessment of ocular stress profile amongst watchmakers/repairers of Kolkata and its possible preventive measures”
-) **Membership (MABMS) title** conferred upon by the Executive Committee of Indian Association of Biomedical Scientists (IABMS), Chennai in 2009.
-) **ISCA Young Scientist Award, 2003** awarded by Indian Science Congress Association, at the 90th Indian Science Congress held at Bangalore (all India rank 28) in Chemical Science, 2003
-) **National Scholarship**, Government of India, **1997 – 1998**

Membership in scientific bodies:

-) Life Member of Indian Association of Biomedical Sciences

Post-Graduate Teaching Experience:

-) Eight (08) years Full-time Post-Graduate Teaching Experience in the Department of Physiology, Hooghly Mohsin College, under The University of Burdwan (From 18.08.2005 to 21.09.2013)
-) Involved in Post-Graduate Teaching in the Department of Zoology, Jhargram Raj College, under Vidyasagar University (2014 – 2016)
-) Involved in Post-Graduate Teaching in the Department of Sports Science, University of Calcutta (2019 - Till Date – Guest Faculty)

Lecture Presentations:

<u>Name</u>	<u>Paper presented, if any</u>	<u>Sponsoring Agency</u>	<u>Place & Date</u>
International Ergonomics Conference HWWE Ergonomics for Everyone Future Challenges in Health Safety and Design	Assessment of the Damage Profile of the Welders of Kolkata (Plenary Lecture)	HWWE, Indian Society of Ergonomics	Department of Physiology, University of Calcutta, 13 th – 15 th December, 2024
45 th Annual Conference of IABMS & National Conference on “Empowering Health – Challenges & Solutions”	A Saga on Ocular Stress Profile Amongst Watchmakers/ Repairers of Kolkata & Its Possible Preventive Measures (Invited Lecture)	DBT, Government of India, New Delhi	A.J. Institute of Medical Sciences and Research Centre, Mangalore, 7 th – 9 th November, 2024

44 th Annual Conference of IABMS & National Conference on “Post Covid 19 Pandemic Era – Clinical and Translational Research”	Addressing Unidentified Cardiovascular Risk Factors among Pre-pubertal Male Athletes of Kolkata, West Bengal (Invited Lecture)	Department of Scientific and Industrial Research, Government of India, New Delhi	Department of Microbiology, M.R. Govt. Arts College, Mannargudi, 8 th – 10 th January, 2024
43 rd Annual Conference of IABMS & International Conference on “ An Integrative Approach Towards Health Protection And Health Promotion”	Ergonomic Stress Profile of Female Labourers of West Bengal: An Integrative Approach Towards Health Protection of the Unorganized Sector. (Plenary Lecture)	Faculty of Health & Wellness, Sri Sri College of Ayurvedic Science & Research Hospital, Sri Sri University, Cuttack, Odisha	Odisha, 19 th – 21 st Dec, 2022
40 th Annual Conference of IABMS on Biomedical research and innovations to enhance quality of life	An integrated occupational and ergonomic study on the evaluation of health status of female construction workers of West Bengal, India (Invited Lecture)	Department of Physiology, Chettinad Hospital & Research Institute, Tamil Nadu	Tamil Nadu, Oct 31 – Nov 2, 2019
39 th International Annual Conference of Indian Association of Biomedical Scientists on “Current concepts on the role of Indian medicine and phytoceuticals in maintenance of health”	An integrated occupational and ergonomic study on the evaluation of health status of female construction workers of West Bengal, India. Also served as Rapporteur and Judge of Poster Session	Mangalore University	Department of Studies and Research in Biochemistry, Kodagu, Karnataka, 15-17 November, 2018
UGC-Sponsored Refresher Course in Life Sciences	As part of the course	UGC, HRDC	Department of Zoology, University of Calcutta, 23 rd December, 2016 to 13 th January, 2017
37 th National Annual Conference of Indian Association of Biomedical Scientists on “Current Advances in Integrated Biomedicine for Healthcare”	Occupational hazard evaluation of female construction workers of West Bengal: An integrated ergonomic stress profile (Invited Lecture)	School of Biological Engineering and Sciences, Shobhit University, Meerut	Meerut, 03-06 November, 2016

International Conference of FIPSPHYSICON on Translational Physiology for Health Promotion	Welders' Health in Kolkata: A Cross-sectional Study (Invited Lecture)	The Physiological Society of India	University College of Science and Technology, University of Calcutta, December 18-20, 2015
International Conference on Humanizing Work and Work Environment (HWWE) and Community Nutrition & Health (CNH): a social responsibility	Ergo-physiological Assessment of the Damage Profile of the Welders of Kolkata	IIT Bombay, NITIE, Mumbai, cohosted by NSI (Mumbai Chapter) and PEC, Chandigarh	IIT, Mumbai, December 6-9, 2015
UGC Sponsored National Seminar on Current Trends of Research in Human Physiology and Community Health	Revisiting Stress Profile of Female Farmers around Jhargram Area: An Observation Unfinished.	UGC	Department of Human Physiology with Community Health, Vidyasagar University, 27 th March, 2015
International Conference on Ergonomics and Human Factors "User Centered Design and Occupational Wellbeing"	Re-visiting role of women in Indian Agriculture: An ergonomic profile (Invited Lecture)	HWWE, Indian Society of Ergonomics, IIT Guwahati	Department of Design, IIT, Guwahati, 3-5 December, 2014
35 th Annual conference of The Indian Association of Biomedical Scientists	Women force in Agriculture: An ergonomic assessment in West Bengal (Invited Lecture)	Department of Microbiology, CSK Himachal Pradesh Agricultural University, Palampur	Himachal Pradesh, 14 – 16 November, 2014
One-Day UGC Sponsored State Level Seminar on "Swami Vivekananda and his Thoughts on Education"	Attended the Seminar	Department of History, Chandernagore College	July 30, 2014
National Symposium entitled "Modern Trends in Biological Sciences"	Attended the symposium	The Physiological Institute, Presidency University, Kolkata	February 21, 2014
State level Conference and Interactive Session on "Amalendu Roy Memorial Lecture Series"	Attended the seminar	Hooghly Mohsin College	January 28, 2014

International Conference on Ergonomics and Human Factors “Ergo 2013: Ergonomics for Rural Development”	Re-Visiting Bio-Markers: Search for Hidden Risk Assessment Amongst Night Shift Workers of Kolkata	HWWE, Indian Society of Ergonomics	Department of Physiology, Vidyasagar University Midnapore, 4 – 6 December, 2013
National Conference on “Biomarkers in Health & Diseases”	Silent agony of miners in West Bengal: Search for biomarkers of newer kinds	National Institute of Miners’ Health, Nagpur	Nagpur, February 21-22, 2013
Refresher Course on “Newer concepts in Life Science”	Declining occupational health of female brick field workers: An untold chapter of women ergonomics.	UGC Academic Staff College, University of Calcutta, Kolkata	Centre of Advanced Study, Department of Botany, Kolkata, November 19 – December 08, 2012
33 rd Annual conference of The Indian Association of Biomedical Scientists	Declining occupational health of female brick field workers: An untold chapter of women ergonomics.	NITTE University, Mangalore	Karnataka, November 1 – 3, 2012
Inclusive Growth: Emerging Scenario in India	Acted as one of the organisers	UGC Sponsored Two day National Seminar, Department of Commerce, Hooghly Mohsin College, Chinsurah, Hooghly	Hooghly Mohsin College, Chinsurah, Hooghly, February 24 – 25, 2012
32 nd Annual conference of The Indian Association of Biomedical Scientists on Phytochemicals and radiations in health and disease	Occupational risk assessment of open cast vs. Underground coal miners: Use of L-Ascorbate	Centre for Nuclear Medicine, Panjab University, Chandigarh	Chandigarh, November 11-13, 2011
International conference	Open cast mining vis-	Department of	Kolkata, 21-23

on Molecules to Systems Biology: 100 years journey (ICMSP 100)	a-vis underground mining: A comparative occupational risk assessment of coal miners	Physiology, University of Calcutta, Kolkata, India	September, 2011
One day Symposium on Occupational Health	As participant/delegate	Department of Physiology, University of Calcutta, Kolkata, India	Kolkata. 9 th July, 2011
DC-SAPI, Govt. Of West Bengal-sponsored Science awareness activities on Nature study seminar lectures	Acted as one of the organizers	Hooghly Mohsin College, Chinsurah, Hooghly	Hooghly Mohsin College, Chinsurah, Hooghly, 27-28 March, 2011
UGC sponsored State level seminar on Human rights: Ethics & values in education	Acted as one of the organizers	Hooghly Mohsin College, Chinsurah, Hooghly	Hooghly Mohsin College, Chinsurah, Hooghly, 25-26 February, 2011
31 st Annual conference of The Indian Association of Biomedical Scientists on Issues and Challenges of traditional systems of medicine	Ergonomic assessment of ocular stress profile amongst watchmakers/repairers of Kolkata and its possible preventive measures	Swamy Vivekanandha College of Pharmacy, Elayampalayam, Tiruchengode, Tamil Nadu	Tamil Nadu, 29 – 31 October, 2010
State level seminar for celebrating 175 th anniversary	Acted as one of the organizers	Hooghly Mohsin College, Chinsurah, Hooghly	Hooghly Mohsin College, Chinsurah, Hooghly, 1-3 August, 2010
XXX Annual conference of The Indian Association of Biomedical Scientists	The silent mutiny of ground water fluoride pollution in Birbhum district of West Bengal	Defence Institute of High Altitude Research (DRDO), Chandigarh	Chandigarh, 18-20 November, 2009
96 th session of Indian Science Congress	Re-visiting ground water arsenic: Its detrimental impact on human resource and possible early detection in Nadia district of West Bengal	North East Hill University, Shillong	Shillong, 3-7 January, 2009
29 th Annual conference of	Revisiting dental	Ragas Dental College	Chennai,

The Indian Association of Biomedical Scientists	fluorosis: An evil omen for fluoride pollution in ground water of district Birbhum, West Bengal and its endemicity	& Hospital, Uthandi, Chennai	December 12-14, 2008
UGC sponsored Orientation Programme	As participant	Academic Staff College, University of Calcutta, Kolkata	Kolkata, March 03-31, 2008
Higher Education Department, Government of West Bengal sponsored seminar on Basic science: Prospects & future challenges (State level seminar)	Acted as one of the organizers	Hooghly Mohsin College, Chinsurah, Hooghly	Hooghly Mohsin College, Chinsurah, Hooghly, 18.03.2008
UGC sponsored seminar on Issues of autonomy in Government colleges	Acted as one of the organizers/delegate	Sanskrit College, Kolkata and West Bengal Government College Teachers' Association	Derozio Hall, Presidency College, Kolkata, 27.01.2007
4 th Congress of Federation of Indian Physiological Societies (FIPS)	Antioxidants, lipid profile and body composition of female brick workers: A differential correlation in the perspective of performance capacity	Defence Institute of Physiology and Allied Sciences (DIPAS), Timarpur, Delhi	Delhi, 11-13 January, 2007
International conference on frontier researches in Integrative Physiology (ICFRIP)	Antioxidants and G-6-PD status: A differential means of stress management in professional female load bearers in Hooghly district	Department of Physiology, University of Calcutta	Kolkata, 8-10 January, 2007
Department of Science and Technology, Government of West Bengal sponsored one day seminar on Entrepreneurship: An alternative source of employment	Acted as one of the organizers	Hooghly Mohsin College, Chinsurah, Hooghly,	Hooghly Mohsin College, Chinsurah, Hooghly, 24.02.2006
International Symposia and XXVI Annual conference of The Indian Association of Biomedical Scientists	Acted as volunteer	S.N. Pradhan Centre for Neurosciences, University of Calcutta	Kolkata, 25-27 November, 2005
92 nd session of Indian	Study of oxidative	Nirma University of	Ahmedabad,

Science Congress	stress and altered lung function in occupationally exposed traffic personnel of Kolkata and its possible remedy	Science and Technology & National Institute of Occupational Health	January 3-7, 2005
National Science Day Programme (Invited Paper presentation)	Science and Society	Indian Science Congress Association Headquarters	Kolkata, 27 th February, 2004
90 th session of Indian Science Congress	Impact of antioxidant supplementation on comparative status of lipid peroxidation and lipid profile in response to exercise stress in females	Indian Space Research Organization (ISRO), Bangalore	Bangalore, January 3-7, 2003
SPORTMEDCON – 4 th annual conference of West Bengal Association of Sports Medicine	Supplemental effect of antioxidants on lipid profile in response to exercise stress in female athletes	Department of Physical Education, Jadavpur University	Kolkata, 18 th & 19 th January, 2003
XIII Annual conference of The Physiological Society of India (PSI)	Differential antioxidant treatment in athletic women efficacy during exercise-imposed stress situation	Department of Physiology, University of Calcutta, Kolkata	Kolkata, 23 rd & 24 th January, 2002
SPORTMEDCON – 3 rd annual conference of West Bengal Association of Sports Medicine	Lipid profile and G-6-PD: An alternative approach in exercise induced oxidative stress management in females with antioxidant vitamin supplementation	West Bengal Association of Sports Medicine	Indian Science Congress Hall, Kolkata, 12 th & 13 th January, 2002
3 rd Congress of Federation of Indian Physiological Societies (FIPS)	Antioxidant and G-6-PD level: A key combination in oxidative stress management in trained females	The Physiological Society of India, Department of Physiology, University of Calcutta, Kolkata	Kolkata, 24-26 November, 2000
Interactive Workshop in Biological Sciences	Role of Vitamin E in ameliorating oxidative damages and some aspects of lipid profile in response to smoking and exercise (Poster)	Birla Industrial and Technological Museum	Kolkata, 27.05.2000